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CONSOLIDATED TRANSLATION SURVEY

Number 143

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Washington, D.C. 20505

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CONSOLIDATED TRANSLATION SURVEY

PREFACE

This survey is prepared monthly from lists received through the cooperation of US government agencies and includes universities, research institutions, and commercial translation organizations. It is a compilation of projects completed or started during the preceding month.

Translations are listed by area and subject category. Scientific projects, are grouped as a section regardless of geographic area. Title in English, author, foreign language title of source of material, date of publication, and publication identification of the completed project are given when available. Tables of contents of journals translated cover-to-cover are reproduced from the current publications.

Projects in process, i.e., not completed as of the date of this survey, are noted with an asterisk (*), and when available a project-control or "in-process" number is noted in parentheses following the title. Certain details may be unavailable in such projects. New projects in process are not listed again until they are completed.

An index to authors of items in this issue is provided at the end of the survey.

Scientific and Technical translations are grouped according to the COSATI subject category list except for military science and ordnance items which are listed under "military" in the appropriate geographic areas.

Requests for copies of publications should be sent
direct to the designated producing organization.

Addresses of producers are as follows:

AIC - Aeronautical Chart and Information Center
see CH-113

ACI - see CH-113

AE - Atomic Energy Commission (see CH-113)

ACRL Res Lib

Air Force Cambridge Research Laboratories Research Library
Office of Aerospace Research
United States Air Force
Laurence G. Hanscom Field
Bedford, Massachusetts
ATTN: CRMLR

AIP

American Institute of Physics
335 East 45th Street
New York, New York 10017

Amer Math Soc

American Mathematical Society
P.O. Box 6248
Providence, Rhode Island 02904

APL/JHU

Applied Physics Laboratory
The Johns Hopkins University
8621 Georgia Avenue
Silver Spring, Maryland 20910

BISI

British Iron and Steel Industry Translation Service
The Iron and Steel Institute
4 Grosvenor Gardens
London, S.W. 1, England

Consultants Bureau - (see Plenum Press)

Specialized Technical, Scientific and
Technical Information
Fort Belvoir and Traddock Roads
Springfield, Virginia 22151

Columbia Technical Translations
Ayerly Avenue
White Plains, New York 10606

Defense Intelligence Agency
Washington, D. C. 20301

Parade Press, Incorporated
81 Fifth Avenue
New York, New York 10011

Defense Documentation Center
Cameron Station
Alexandria, Virginia 22314

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Cameron Station
Alexandria, Virginia 22314

GSFC - (see CESTI)

Henry Bratcher Technical Translations
P.O. Box 157
Altadena, California 91001

ITE- (see NIE)

Institute of Electrical and Electronics Engineers
275 Madison Avenue
New York, New York 10016

Dept of Interior

Department of Interior
Room 8015
Branch of Foreign Fisheries (Translations)
~~Division of International Affairs~~
Bureau of Commercial Fisheries
Washington, D. C. 20210

USPS

U.S. Department of Commerce
Clearinghouse for Federal Scientific and
Technical Information
Fort Poval and Braddock Roads
Springfield, Virginia 22151

NASA

National Aeronautics and Space Administration
1512 H Street, NW
Washington, D. C. 20546

NIC

Commander, Naval Intelligence Command
Naval Intelligence Command Headquarters
NIC-133F
Washington, D. C. 20350

NIH

Circulation Unit
Readers Services Section
Library Branch, DRS
National Institutes of Health
Building 10, Room 5N118
Bethesda, Maryland 20014

NLL

National Lending Library
for Science and Technology
Boston Spa, Yorkshire, England

NMS

Navy Medical School
National Naval Medical Center
Bethesda, Maryland 20014

NOO

U.S. Naval Oceanographic Office
Code 4400
Washington, D. C. 20390

NRL

Naval Research Laboratory
Washington, D. C. 20390

OSA

Optical Society of America, Incorporated
American Institute of Physics
55 East 45th Street
New York, New York 10017

Patent Office

Department of Commerce, Patent Office
Scientific Library
11th and Constitution Avenue, NW
Washington, D. C.

PI

Petroleum Geology
Box 171
McLean, Virginia 22101

Plenum Press

Plenum Publishing Corporation
114 Fifth Avenue
New York, New York 10011

PP

Pergamon Press, Incorporated
44-01 21st Street
Long Island City, New York 11101

PS

Primary Sources
11 Bleecker Street
New York, New York 10012

SIAM

Society for Industrial and Applied Mathematics
P.O. Box 7541
Philadelphia, Pennsylvania 19100

SIC

Scientific Information Consultants, Limited
661 Finchley Road
London, N.W. 2, England

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1969, p 4.
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Sept 1969, p 10.
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pp 10, 11, 33-34.
DIA LR 100-7

Soviet Shipping is Dragging in First Reform Year,
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European CEMA Countries Plan Construction,
by V. Kozlov, M. Dombrovskaya, 17 pp.
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RUSSIAN, per, Planovoye Khozyaystvo, Moscow,
No 8, 1969, pp 92-94.
JPRS 49044

On Measures for Raising Efficiency of Work of
Scientific Organizations and Speeding Up Use
of Achievements of Science and Technology in
National Economy.
RUSSIAN, pp, Pravda, 23 Oct 1969.
UL Ref: 610/100 (53)

Tourism on Black Sea Coast Reviewed, by

L. Kochivalov, 5 pp.

RUSSIAN, np, Pravda, Moscow, 12 Aug 1969, p 4.
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JPRS 49135**Improvements in Handling of Freight Cars,**RUSSIAN, per, Rechnoy Transport, Moscow, No 8,
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1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

1. The first step is to identify the problem. In this case, the problem is that the company is not meeting its sales targets.

2. The second step is to analyze the problem. This involves identifying the causes of the problem and determining the impact of the problem on the company.

3. The third step is to develop a solution. This involves identifying the actions that need to be taken to address the problem and determining the resources that will be required.

4. The fourth step is to implement the solution. This involves putting the solution into action and monitoring the progress of the implementation.

5. The fifth step is to evaluate the results. This involves assessing the effectiveness of the solution and determining whether the problem has been resolved.

1. Subject: Mr. [redacted]
 2. Address: [redacted]
 3. City: [redacted]
 4. State: [redacted]
 5. Zip: [redacted]

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With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is given below.

| <u>Soviet Usage</u> | <u>American equivalent</u> |
|---------------------|------------------------------------|
| Arch | \cosh^{-1} |
| Arcth | \coth^{-1} (ctnh ⁻¹) |
| Arsh | \sinh^{-1} |
| Arth | \tanh^{-1} |
| arccos | \cos^{-1} (arc cos) |
| arctg | \cot^{-1} (arc cot) |
| arcsin | \sin^{-1} (arc sin) |
| arctg | \tan^{-1} (arc tan) |
| ch | cosh |
| cosec | csc |
| ctg | cot (ctn) |
| cth | coth (ctnh) |
| rot | curl |
| sch | sech |
| sh | sinh |
| tg | tan |
| th | tanh |

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SPACE BIOLOGY AND MEDICINE

Vol. 3, No. 4, 1969

-USSR-

Following is a complete translation of the Russian-language periodical Kosmicheskaya biologiya i meditsina (English version above), Vol. 3, No. 4, Moscow, 1969, Meditsina Publishing House, pages 3-91. Author's name and original source page accompany each article.

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No. 9, September 1969

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EDITOR'S NOTE

With the exception of certain trigonometric and hyperbolic functions, Soviet mathematical symbols are the same as those encountered in the American literature. For the reader's convenience a list of such exceptions and their American equivalents is given below.

| Soviet Usage | American equivalent |
|--------------|-------------------------------------|
| Arch | \cosh^{-1} |
| Arcth | \coth^{-1} (ctnh^{-1}) |
| Arsh | \sinh^{-1} |
| Arth | \tanh^{-1} |
| arccos | \cos^{-1} (arc cos) |
| arctg | \cot^{-1} (arc cot) |
| arcsin | \sin^{-1} (arc sin) |
| arctg | \tan^{-1} (arc tan) |
| ch | cosh |
| cosec | csc |
| ctg | cot (ctn) |
| ctn | cotg (ctanh) |
| rot | curl |
| sch | sch |
| sh | sinh |
| tg | tan |
| th | tanh |

RADIO ENGINEERING AND ELECTRONIC PHYSICS

RADYOTEKHNIKA I ELEKTRONIKA

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With the exception of certain trigonometric and hyperbolic func-
tions, Soviet mathematical symbols are the same as those encountered
in the American literature. For the reader's convenience a list of such
exceptions and their American equivalents is given below.

| Soviet Usage | American equivalent |
|--------------|------------------------------------|
| Arch | \cosh^{-1} |
| Arcth | \coth^{-1} (ctnh ⁻¹) |
| Arsh | \sinh^{-1} |
| Arth | \tanh^{-1} |
| arccos | \cos^{-1} (arc cos) |
| arctg | \cot^{-1} (arc cot) |
| arcsin | \sin^{-1} (arc sin) |
| arctg | \tan^{-1} (arc tan) |
| ch | cosh |
| cosec | csc |
| ctg | cot (ctn) |
| cth | coth (ctnh) |
| rot | curl |
| sch | sech |
| sh | sinh |
| tg | tan |
| th | tanh |

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RUSSIAN ABBREVIATIONS IN TEXT

| | |
|------------------|---|
| AN SSSR..... | Academy of Sciences, USSR. |
| CC CPSU..... | Central Committee, Communist Party, Soviet Union. |
| Gintsvetmet..... | State Institute of Non-Ferrous Metals. |
| Giredmet..... | State Rare Metals Scientific Research Institute. |
| Gosplan..... | State Planning Committee of the Council of Ministers of the USSR. |
| GOST..... | All-Union Standard. |
| Mekhanobr..... | Scientific Research Institute for the Mechanical Concentration of Minerals. |
| Sovmarkhoz..... | Council of the National Economy. |
| TsIN TsM..... | Central Office for Information on Non-Ferrous Metals. |
| IMI..... | All-Union Aluminum and Magnesium Institute. |
| VUZ..... | Institution of Higher Education. |

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No 9, September 1969

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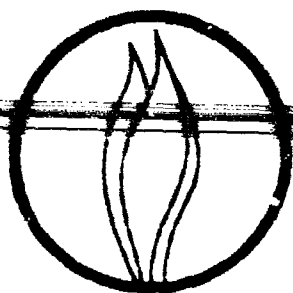
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Journal of Applied Mechanics and Technical Physics

The Faraday Press cover-to-cover translation of
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Central Intelligence Agency



Washington, D.C. 20505

7 September 2004

Ms. Roberta Schoen
Deputy Director for Operations
Defense Technical Information Center
7725 John J. Kingman Road
Suite 0944
Ft. Belvoir, VA 22060

Dear Ms. Schoen:

In February of this year, DTIC provided the CIA Declassification Center with a referral list of CIA documents held in the DTIC library. This referral was a follow on to the list of National Intelligence Surveys provided earlier in the year.

We have completed a declassification review of the "Non-NIS" referral list and include the results of that review as Enclosure 1. Of the 220 documents identified in our declassification database, only three are classified. These three are in the Release in Part category and may be released to the public once specified portions of the documents are removed. Sanitization instructions for these documents are included with Enclosure 1.

In addition to the documents addressed in Enclosure 1, 14 other documents were unable to be identified. DTIC then provided the CDC with hard copies of these documents in April 2004 for declassification review. The results of this review are provided as Enclosure 2.

We at CIA greatly appreciate your cooperation in this matter. Should you have any questions concerning this letter and for coordination of any further developments, please contact Donald Black of this office at (703) 613-1415.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sergio N. Alcivar".

Sergio N. Alcivar
Chief, CIA Declassification Center,
Declassification Review and Referral
Branch

Enclosures:

1. Declassification Review of CIA Documents at DTIC (with sanitization instructions for 3 documents)
2. Declassification Status of CIA Documents (hard copy) Referred by DTIC (with review processing sheets for each document)

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The following CIA documents located at DTIC were reviewed by CIA and declassification guidance has been provided.

| OGA Doc ID | Job Num | Box | Fldr | Doc | Doc ID | Document Title | Pub Date | Pages | Decision | Proc Date |
|------------|-----------|-----|------|-----|--------|---|------------|-------|----------------------|-----------|
| AD0831939 | 78-03109A | 59 | 1 | 2 | 123 | Consolidated Translation Survey Through 31 March 1968 | 3/31/1968 | 252 | Approved For Release | 3/25/2004 |
| AD08333917 | 78-03109A | 59 | 1 | 3 | 124 | Consolidated Translation Survey Through 30 April 1968 | 4/30/1968 | 223 | Approved For Release | 3/25/2004 |
| AD0835906 | 78-03109A | 59 | 1 | 4 | 125 | Consolidated Translation Survey Through 31 May 1968 | 5/31/1968 | 267 | Approved For Release | 3/25/2004 |
| AD0838252 | 78-03109A | 59 | 1 | 5 | 126 | Consolidated Translation Survey Through 30 June 1968 | 6/30/1968 | 341 | Approved For Release | 3/25/2004 |
| AD0839299 | 78-03109A | 59 | 1 | 6 | 127 | Consolidated Translation Survey Through 31 July 1968 | 7/31/1968 | 354 | Approved For Release | 3/25/2004 |
| AD0841414 | 78-03109A | 59 | 1 | 7 | 128 | Consolidated Translation Survey Through 31 August 1968 | 8/31/1968 | 255 | Approved For Release | 3/25/2004 |
| AD0844244 | 78-03109A | 59 | 1 | 8 | 129 | Consolidated Translation Survey Through 30 September 1968 | 9/30/1968 | 259 | Approved For Release | 3/25/2004 |
| AD0845247 | 78-03109A | 60 | 1 | 1 | 130 | Consolidated Translation Survey Through 31 October 1968 | 10/31/1968 | 252 | Approved For Release | 3/25/2004 |
| AD0847806 | 78-03109A | 60 | 1 | 2 | 131 | Consolidated Translation Survey Through 30 November 1968 | 11/30/1968 | 284 | Approved For Release | 3/25/2004 |
| AD0848152 | 78-03109A | 60 | 1 | 3 | 132 | Consolidated Translation Survey Through 31 December 1968 | 12/31/1968 | 176 | Approved For Release | 3/25/2004 |
| AD0848841 | 78-03109A | 60 | 1 | 4 | 133 | Consolidated Translation Survey Through 31 January 1969 | 1/31/1969 | 188 | Approved For Release | 3/25/2004 |
| AD0850186 | 78-03109A | 60 | 1 | 5 | 134 | Consolidated Translation Survey Through 28 February 1969 | 2/28/1969 | 167 | Approved For Release | 3/25/2004 |
| AD0851748 | 78-03109A | 60 | 1 | 6 | 135 | Consolidated Translation Survey Through 31 March 1969 | 3/1/1969 | 232 | Approved For Release | 4/5/2004 |
| AD0853348 | 78-03109A | 60 | 1 | 7 | 136 | Consolidated Translation Survey Through 30 April 1969 | 4/30/1969 | 262 | Approved For Release | 3/25/2004 |
| AD0856606 | 78-03109A | 60 | 1 | 8 | 137 | Consolidated Translation Survey Through 31 May 1969 | 5/31/1969 | 306 | Approved For Release | 3/25/2004 |
| AD0857706 | 78-03109A | 63 | 1 | 1 | 138 | Consolidated Translation Survey Through 30 June 1969 | 8/22/1969 | 413 | Approved For Release | 3/25/2004 |
| AD0858054 | 78-03109A | 63 | 1 | 2 | 139 | Consolidated Translation Survey Through 31 July 1969 | 9/3/1969 | 185 | Approved For Release | 3/25/2004 |
| AD0860022 | 78-03109A | 63 | 1 | 3 | 140 | Consolidated Translation Survey Through 31 August 1969 | 10/3/1969 | 315 | Approved For Release | 3/25/2004 |
| AD0860905 | 78-03109A | 63 | 1 | 4 | 141 | Consolidated Translation Survey Through 30 September 1969 | 9/30/1969 | 285 | Approved For Release | 3/25/2004 |
| AD0861886 | 78-03109A | 63 | 1 | 5 | 142 | Consolidated Translation Survey Through 31 October 1969 | 10/31/1969 | 269 | Approved For Release | 3/25/2004 |
| AD0863371 | 78-03109A | 63 | 1 | 6 | 143 | Consolidated Translation Survey Through 30 November 1969 | 11/30/1969 | 224 | Approved For Release | 3/25/2004 |
| AD0864516 | 78-03109A | 63 | 1 | 7 | 144 | Consolidated Translation Survey Through 31 December 1969 | 12/31/1969 | 177 | Approved For Release | 3/25/2004 |